MSD

February 3, 1998

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland St. N. E.
Atlanta, GA 30365

Re: **Report of Field Observation - FY 98- Second (FY98-2Q),**
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No. 91-32-C

Dear Ms. Montalvo:

In accordance with paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY98-2Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY98-2Q.

Sincerely,

Carl A. Neumayer
Director of Operations
CAN/dc
Lees-2Q98ltr
Enc.

cc: Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY98-2Q **Date of Observation: 12/30/97**

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:	Comment
A-4	Observed rutted area in the vicinity of the culvert under the access road had been filled and rough graded and that depressed area of access road between Benchmarks 2 and 3 had been filled and surfaced with gravel.
B-2	Putman Avenue barricade remains unchanged from previous quarterly institutional inspections.
C-1	Continue to observe some small arms fire damage to the walls of the Blower House and warning signs. Small arms fire damage is evident on all faces of the Blower House except for the west side.
C-7	Observed several of the well/moisture trap concrete collars disturbed in the vicinity of gas collecting Wells No. 12-14, 28, and 30.

Comment No.	Corrective Action Performed
A-4	Observe filling of rutted area and depressed area of the access road at the next institutional quarterly inspection and schedule any additional grading that may be required.
B-2	No further corrective action required at this time.
C-1	No further corrective action proposed at this time. Continue monitoring of small arms fire damage to the exterior of the Blower House and schedule mortar repairs to the concrete block walls prior to the of FY 98-4Q.
C-7	Weather permitting, replace damaged well/ moisture trap concrete collars in the vicinity of Wells No. 12, 28 and 30 at the start of FY98-3Q prior to mowing season.

Comment No.:	Comment
C-8	Observed several wells/moisture trap covers missing generally in the vicinity of the Blower House.
C-12	Observed that the Blower House warning signs have continued to be damaged by small arms fire and will require replacement. Gas well structural markers are in satisfactory condition but will require repainting during third or fourth quarters of FY 98.
D-2	Observed previously repaired guardrail on gas well adjacent to the road leading to the Putnam barricade has broken again.
D-6	Observed that excessive vegetation previously reported has been trimmed.
D-8	Tubing, fittings and valves were not directly observed but no externally damage or disturbance to enclosures were evident. Similar fittings on the monitoring gas and groundwater wells were in satisfactory condition having been used for the quarterly ambient sampling program.

Comment No.	Corrective Action Performed
C-8	Replace or reset several well/moisture trap covers missing in the vicinity of the Blower House.
C-12	Schedule replacement of Blower House warning signs and repainting of gas well structural markers during FY98-3Q and 4Q.
D-2	Schedule welding of broken guard rail on gas well adjacent to the road leading to the Putnam Avenue barricade during FY98-3Q.
D-6	No further corrective action required at this time. Independent mowing contractor should be notified of mowing requirements prior to the commencement of mowing operations during FY98-3Q and 4Q to prevent recurrence of excessive vegetation growth.
D-8	Tubing and fitting connections on several gas wells appear to be in satisfactory condition because of sampling activities being conducted by Radian Corp./MSD force account as part of quarterly institutional inspection activities.

Comment No.:	Comment
E-7	Observed that excessive vegetation growth on the riprap section and riprap drainage channels had been sprayed to control regrowth.
E-8	No additional buildup of river borne trash and debris observed on the riprap area as a result of high water on the Ohio River. The debris consists mainly of logs and branches which continue to be burned by trespassers.
E-12	Observed that the marker for Benchmark No. 4 has been overturned and will require resetting.
F-1	Observed that remedial work to provide positive drainage at the shale swale has been initiated. Also, it appears that some vehicle rutting damage may have occurred to the clay cap area, but could not be fully determined because of snow cover.
F5	Observed small amounts of ponded water in the vicinity of gas collection Wells Nos. 6 and 7 and in the shale swale. Also observed that filling activity has commenced of low areas in the vicinity of gas collection Wells No. 9 and 10.

Comment No.	Corrective Action Performed
E-7	No corrective action required at this time. Observe regrowth of vegetation during FY98-3Q and 4Q institutional inspections and arrange for independent contractor to spray vegetation in order to control regrowth.
E-8	No corrective action required at this time. Continue to monitor at subsequent quarterly institutional inspections.
E-12	Schedule resetting of marker for Benchmark No. 4 at greater depth to prevent overturning.
F-1	Schedule slip lining activities for the small diameter drainage pipe to proper grade inside the existing culvert and regrading of upstream inlet prior to the end of FY 98-4Q, subject to availability of manpower and weather conditions.
F-5	Continue to schedule filling efforts to eliminate small amounts of ponded water in the vicinity of Wells No. 6 and 7 and the low areas adjacent to Gas Collection Wells No. 9 and 10.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY98-2Q Date of Observation: 12/30/97

Time Arrived Onsite: 9:20 a.m. Time Departed Site: 10:50 a.m.

Field Personnel: Carl A. Neumayer, Director of Operations and Richard H. Watkins, Support Services Manager, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material	—	X	—	
2. Evidence of leachate seepage	—	X	—	
3. Distressed Vegetation	—	X	—	
4. Pot holes, erosion of access road	—	X	—	A-4

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade	—	X	—	
2. Structural problem with Putman Ave. barricade	—	X	—	B-2
3. Lee's Lane gate unlocked	—	X	—	
4. Broken or missing lock	—	X	—	

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X	—	—	C-1
2. Structural damage to blower house	—	X	—	
3. Blower not operating or visible damage	—	X	—	
4. Blower house not secure and unclean	—	X	—	

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	X	—	—
6. Alarm and blower controls not functioning	—	X	—	—
7. Settlement or tilting of well/moisture trap concrete collars	X	—	—	C-7
8. Well/moisture trap covers missing or damaged	X*	—	—	C-8
9. Excessive vegetation covering wells/mositure traps	—	X	—	—
10. Adjustment valve inaccessible	—	X	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	X	—	—
12. Blower house and well/ moisture trap signs missing or damaged	X	—	—	C-12

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	X	—	—
2. Guard posts and rails missing or damaged	X	—	—	D-2
3. Protective casing missing, damaged or rusted	—	X	—	—
4. Concrete pads damaged or cracked	—	X	—	—
5. Possible surface water infiltration into wells	—	X	—	—
6. Excessive vegetation or debris around wells	—	X	—	D-6
7. Well cap missing or damaged	—	X	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	X	—	—
2. Erosion of rip-rap or underlying material	—	X	—	—
3. Abnormally damp areas, wet ground vegetation	—	—	X*	—
4. Soft spots in surface	—	X	—	—
5. Seepage, water flow, piping, or sand boils	—	X	—	—
6. Undermining of rip-rap	—	X	—	E-7
7. Vegetative growth on rip-rap slope	—	X	—	E-8
8. Buildup of trash and debris on rip-rap	X	—	—	E-9
9. Exposed trash or filter fabric	—	—	X	—
10. Tilting trees	—	X	—	—
11. Tension cracks	—	—	X*	—
12. Survey monuments missing or damaged	X	X	—	E-12

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	X	X	—	F-1
2. Cracks greater than 1 inch wide and 6 inches deep	—	—	X*	—
3. Areas of erosional damage to grass	—	X	X*	—
4. Inadequate grass cover (area > 36 ft^2	—	—	X*	—
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	X	—	—	F-5
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	X	—	—

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY2-98 Date of Observation 12/30/98

Site Map

SNOW COVER PREVENTED DETAIL OBSERVATION OF SITE CONDITIONS MARKED AS NOT OBSERVED WITH X*.

Signature of Observer: Carl A. Neumayer Date: 2/2/98

Carl A. Neumayer